

IN THE TITLE

Please replace the title beginning at page 1, line 1, with the following amended title:

METHODS AND APPARATUS FOR ADAPTIVE PROBLEM DETERMINATION
IN DISTRIBUTED SERVICE-BASED APPLICATIONS

IN THE ABSTRACT

Please replace the title beginning at page 19, line 1, with the following amended title:

METHODS AND APPARATUS FOR ADAPTIVE PROBLEM DETERMINATION
OF IN DISTRIBUTED SERVICE-BASED APPLICATIONS